

ARTICLE FOR HIGH TEMPERATURE SERVICE AND METHOD FOR MANUFACTURE

Abstract of Disclosure

Articles for use in a high-temperature, oxidative environment, methods for manufacturing such articles, and a material system for protecting articles in such an environment are provided where, for example, one article comprises a substrate and a protective layer disposed over the substrate, the protective layer comprising at least about 60 atomic percent of a metal selected from the group consisting of platinum (Pt), palladium (Pd), rhodium (Rh), osmium (Os), iridium (Ir), and mixtures thereof.

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